

USEPA

## RACS WORK ASSIGNMENT FORM

## 1. WORK ASSIGNMENT INFORMATION

Project Name: Libby

WA No. 137-RIRI-08BC

Revision No.

Activity: RI

EPA Contract No.: 68-W5-0022

Modification No.:  
(C.O. Use Only)Contractor: CDM FEDERAL  
PROGRAMS

Contractor Control No.

SDMS Document ID



2022898

Date: 5/5/03

## 2. DESCRIPTION OF ACTION

<input checked="" type="checkbox"/> <b>New Work Assignment</b> (Need WP for WA) <ul style="list-style-type: none"><li>• Attach SOW /schedule</li><li>• Designate WAM</li></ul>	<input type="checkbox"/> <b>Work Assignment Amendment</b> <ul style="list-style-type: none"><li>• Change in LOE or scope by task</li><li>• Add additional tasks or funds for increased activity</li></ul>	<input type="checkbox"/> <b>Partial WP Approval</b> <ul style="list-style-type: none"><li>— WP Disapproval</li><li>— Final WP Approval</li><li>— Amendment to Final WP Approval</li><li>• Approve change in LOE, scope or budget</li><li>• Approve additional tasks</li></ul>	<input type="checkbox"/> <b>Technical Direction Memorandum</b> <ul style="list-style-type: none"><li>• Details on scope, budget or schedule</li><li>• Minor shift within SOW (no change in \$/LOE)</li><li>• Change in WAM</li><li>— Set or revise Expenditure Limit</li></ul>	<input type="checkbox"/> <b>Incremental Funding</b> <ul style="list-style-type: none"><li>• Fund approved WP</li><li>— WA Closeout Notification</li><li>• Notify contractor to initiate WA closeout task.</li><li>• Revise EL after final invoice</li><li>— Other (see comments)</li></ul>
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## 3. BUDGET INFORMATION - \* FEES INCLUDED

Funding category

Action Code

S/SID:

— Completion Form WA ☒ Term Form WA  
Total Funding Received (\$)Approved Work Plan Budget  
LOE (Term WA only) (\$)Expenditure Limit (EL)  
LOE (Term WA only) (\$)

Current	\$600,000	0	\$0	500	\$50,000
This Action	\$0	19,547	\$2,041,482	4,500	\$550,000
Total	\$600,000	19,547	\$2,041,482	5,000	\$600,000

## 4. WA COMPLETION DATE

Current: 12/31/04

Revised:

## 5. EPA COMMENTS:

THIS WAF INCREASES EXPENDITURE LIMITS.  
THIS WAF PARTIALLY APPROVES ORIGINAL WORK PLAN DATED APRIL 16, 2003. THIS WAF APPROVES ALL TASKS EXCEPT SUBTASK 1.5,  
SUBTASK 1.8, AND TASK 5.

## 6. APPROVALS (Signatures)

Contractor Site Manager/Date

EPA Remedial Project Manager/Date

JAMES CHRISTIANSEN

Contractor Regional Manager/Date

EPA Project Officer/Date

Jodi Powell

- ☐ Approved As Submitted  
☐ Approved With Changes  
☐ Not Approved

EPA Contracting Officer/Date

Anderson Hamp, Jr.

cc: 1. EPA PO

2. WAM

3. EPA CO

**TECHNICAL REVIEW  
(R8 RAC CONTRACT)**


TASK NO.1				DESCRIPTION:			
LOE COMPARISON				COST COMPARISON			
	IGC E	WP	DIFF		IGCE	WP	DIFF
P4	450	481	-31	TOTAL ESTIMATE	252194	410460	-158,266
P3	0	16	-16	TOTAL LABOR COSTS	225809	341785	-115,976
P2	2595	4199	-1,604	TRAVEL COSTS	7500	24954	-17,454
P1	350	644	-294	OTHER DIRECT COSTS	2423	24824	-22,401
T3			0	COMPUTER COSTS	1462	6450	-4,988
T2			0	EQUIPMENT COSTS	0		0
T1			0	PLI PREMIUM	15000	12447	2,553
Total Hours	3,395	5,340	-1,945	SUBCONTRACT POOL	0		0
Cler.	100	108	-8				

WAM Review, Comments and Recommendations: See task 2 for travel differences. WAM put trips in task 2 that contractor put in task 1. This is acceptable by WAM. WAM underestimated the amount of computer costs that will be needed on this work assignment. During fact finding meeting this was explained to WAM and this is acceptable. WAM feels costs for subtask 1.8 in work plan are too high and overestimate amount of P2 project manager and P4 Program manager time required for management of work assignment, especially for 2004 when no substantial field work is scoped. This subtask along with subtask 1.5 will not be approved at this time. Contractor will review workplan per fact finding meeting to review costs. Other costs are acceptable by WAM.

Project Officer Comments and Recommendations: Concur with WAM.

**TECHNICAL REVIEW  
(R8 RAC CONTRACT)**

TASK NO. 2				DESCRIPTION:			
LOE COMPARISON				COST COMPARISON			
	IGCE	WP	DIFF		IGCE	WP	DIFF
P4	2000	1680	320	TOTAL ESTIMATE	1207320	1733524	-526,204
P3	0	0	0	TOTAL LABOR COSTS	816630	760804	55,826
P2	200	6116	-5,916	TRAVEL COSTS	280000	252170	27,830
P1	13350	4608	8,742	OTHER DIRECT COSTS	79085	61031	18,054
T3			0	COMPUTER COSTS	0	0	0
T2			0	EQUIPMENT COSTS	50000	50400	-400
T1			0	PLI PREMIUM	0	0	0
Total Hours	15,550	12,404	3,146	SUBCONTRACT POOL	150000	274642	-124,642
Cler.	100	112	-12				

WAM Review, Comments and Recommendations: WAM did not include as many hours for subcontract instead the WAM used LOE hours for the sampling areas. Contractor used subcontract pool dollars in addition to LOE for this effort. Overall the staffing levels chosen by contractor are appropriate based upon labor available and are acceptable by WAM. WAM estimate of travel includes some trips that contractor put in task 1. This is acceptable by WAM. 

Project Officer Comments and Recommendations: Concur with WAM.

**TECHNICAL REVIEW**  
**(R8 RAC CONTRACT)**


TASK NO. 3				DESCRIPTION:			
LOE COMPARISON				COST COMPARISON			
	IGC E	WP	DIFF		IGCE	WP	DIFF
P4	0	0	0	TOTAL ESTIMATE	13982	12522	1,460
P3	0	0	0	TOTAL LABOR COSTS	13341	11809	1,532
P2	0	168	-168	TRAVEL COSTS	0	0	0
P1	300	32	268	OTHER DIRECT COSTS	641	713	-72
T3	0	0	0	COMPUTER COSTS	0	0	0
T2	0	0	0	EQUIPMENT COSTS	0	0	0
T1	0	0	0	PLI PREMIUM	0	0	0
Total Hours	300	200	100	SUBCONTRACT POOL	0	0	0
Cler.	0	0	0				

WAM Review, Comments and Recommendations: WAM overestimated about of LOE needed for this task and used a lower P-level than contractor. After review of work plan this is found to be acceptable by WAM.

Project Officer Comments and Recommendations: Concur with WAM.

**TECHNICAL REVIEW  
(R8 RAC CONTRACT)**

TASK NO. 4				DESCRIPTION:			
LOE COMPARISON				COST COMPARISON			
	IGC E	WP	DIFF		IGCE	WP	DIFF
P4	10	0	10	TOTAL ESTIMATE	\$21252	22928	-1,676
P3	0	0	0	TOTAL LABOR COSTS	20513	22274	-1,761
P2	160	340	-180	TRAVEL COSTS	0	0	0
P1	145	0	145	OTHER DIRECT COSTS	739	654	85
T3	0	0	0	COMPUTER COSTS	0	0	0
T2	0	0	0	EQUIPMENT COSTS	0	0	0
T1	0	0	0	PLI PREMIUM	0	0	0
Total Hours	315	340	-25	SUBCONTRACT POOL	0	0	0
Cler.	100	40	60				

WAM Review, Comments and Recommendations: Work plan submitted by contractor used a higher P level than WAM. After review of work plan this found to be acceptable since total hours are within 25 LOE. The higher costs is due to the higher level being used. 

Project Officer Comments and Recommendations: Concur with WAM.

**TECHNICAL REVIEW  
(R8 RAC CONTRACT)**

TASK NO. 5				DESCRIPTION:			
LOE COMPARISON				COST COMPARISON			
	IGC E	WP	DIFF		IGCE	WP	DIFF
P4	60	160	-100	TOTAL ESTIMATE	24285	61358	-37,073
P3	0	0	0	TOTAL LABOR COSTS	23546	60723	-37,177
P2	100	80	20	TRAVEL COSTS	0	0	0
P1	180	856	-676	OTHER DIRECT COSTS	739	635	104
T3	0	0	0	COMPUTER COSTS	0	0	0
T2	0	0	0	EQUIPMENT COSTS	0	0	0
T1	0	0	0	PLI PREMIUM	0	0	0
Total Hours	340	1,096	-756	SUBCONTRACT POOL	0	0	0
Cler.	100	40	60				

WAM Review, Comments and Recommendations: Contractor has scoped more technical memorandums and more effort for the RI technical memo. Contractor is re-looking at this task and at this time this task will not be approved.

*K*

Project Officer Comments and Recommendations: Concur with WAM.

**TECHNICAL REVIEW  
(R8 RAC CONTRACT)**

TASK NO. 6				DESCRIPTION:			
LOE COMPARISON				COST COMPARISON			
	IGC E	WP	DIFF		IGCE	WP	DIFF
P4	2	2	0	TOTAL ESTIMATE	3429	2043	1,386
P3	0	0	0	TOTAL LABOR COSTS	3241	1926	1,315
P2	0	18	-18	TRAVEL COSTS	0	0	0
P1	40	4	36	OTHER DIRECT COSTS	188	117	71
T3		0	0	COMPUTER COSTS	0	0	0
T2		0	0	EQUIPMENT COSTS	0	0	0
T1		0	0	PLI PREMIUM	0	0	0
Total Hours	42	24	18	SUBCONTRACT POOL		0	0
Cler.	40	14	26				

WAM Review, Comments and Recommendations: Minimal differences in cost, Wam overestimated hours for close out this estimate is acceptable by WAM.

Project Officer Comments and Recommendations: Concur with WAM.

RAC REGION VIII - Contract No. 68-W5-0022  
 CDM FEDERAL PROGRAMS CORPORATION  
 Work Assignment Name:  
 Work Assignment No.:

COST CATEGORY	RATE	TASK 1.0	TASK 2.0	TASK 3.0	TASK 4.0	TASK 5.0	TASK 6.0	Work Assignment Total
P4 Hours	\$51.11	450.0	2,000.0	0.0	10.0	60.0	2.0	2,522.0
P3 Hours	\$38.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P2 Hours	\$30.46	2,595.0	200.0	0.0	160.0	100.0	0.0	3,055.0
P1 Hours	\$21.91	350.0	13,350.0	300.0	145.0	180.0	40.0	14,365.0
T3 Hours	\$19.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T2 Hours	\$16.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T1 Hours	\$16.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PLOE Hours		3,395.0	16,650.0	300.0	315.0	340.0	42.0	19,942.0
Raw Professional Labor Dollars		\$109,712	\$400,811	\$6,573	\$8,562	\$10,056	\$979	\$536,692
Clerical Hours		100.0	100.0	0.0	100.0	100.0	40.0	440.0
Raw Clerical Labor Dollars	\$16.45	\$1,545	\$1,545	\$0	\$1,545	\$1,545	\$618	\$6,798
Total Raw Labor Dollars		\$111,257	\$402,356	\$6,573	\$10,107	\$11,601	\$1,597	\$543,490
Fringe Benefits	35.97%	\$40,019	\$144,727	\$2,364	\$3,635	\$4,173	\$574	\$195,493
Overhead	49.27%	\$74,534	\$269,548	\$4,403	\$6,771	\$7,772	\$1,070	\$364,097
Total Labor Costs		\$225,809	\$816,630	\$13,341	\$20,613	\$23,546	\$3,241	\$1,103,080
Travel (See Schedule A):								
Transportation		\$5,000	\$70,000	\$0	\$0	\$0	\$0	\$75,000
Lodging/Meals		\$2,500	\$210,000	\$0	\$0	\$0	\$0	\$212,500
Total Travel Costs		\$7,500	\$280,000	\$0	\$0	\$0	\$0	\$287,500
Other Direct Costs:	Escalation Fa Current Rates Escalated	Units	Units	Units	Units	Units	Units	Units
Photocopying/per copy~	\$0.0625 \$0.0625	20,000.0	50,000.0	2,500.0	2,500.0	2,500.0	1,000.0	78,500.0
Express Mail - Letter	\$6.25 \$6.250	100.0	100.0	20.0	20.0	20.0	20.0	280.0
Express Mail - 2 Lb. Pkg	\$6.50 \$6.500	50.0	100.0	0.0	15.0	15.0	0.0	180.0
Express Mail - 15 Lb. Pkg	\$22.26 \$22.260	10.0	15.0	0.0	0.0	0.0	0.0	25.0
Express Mail - 40 Lb. Pkg	\$45.01 \$45.010	0.0	100.0	0.0	0.0	0.0	0.0	100.0
Express Mail - Priority 70 lb	\$46.98 \$46.980	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Express Mail - Priority 100 lb	\$99.00 \$99.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equipment/Supplies Shipping	\$50.00 \$50.000	0.0	200.0	0.0	0.0	0.0	0.0	200.0
Courier/trip	\$18.00 \$18.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Distance Telephone/10 min	\$2.10 \$2.100	0.0	3,500.0	100.0	100.0	100.0	0.0	3,800.0
Cellular Telephone/10 min	\$5.00 \$5.000	0.0	500.0	30.0	30.0	30.0	0.0	590.0
Supplies (See Schedule B)		\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Utilities/Misc (See Separate Schedule)		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total ODCs Cost		\$2,423	\$79,085	\$641	\$739	\$739	\$188	\$83,815
-No Escalation								
Computer:	Current Rate	Units	Units	Units	Units	Units	Units	Units
Mainframe - E-mail (Non - CPU)/hour ~	\$18.73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mainframe - CPU Intensive Uses/hour ~	\$56.20	10.0	0.0	0.0	0.0	0.0	0.0	10.0
Computer Workstation/hour ~	\$6.00	150.0	0.0	0.0	0.0	0.0	0.0	150.0
Total Computer Cost		\$1,462	\$0	\$0	\$0	\$0	\$0	\$1,462
-No Escalation								
Equipment (See Schedule E):								
Purchased		\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Rental		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Equipment Costs		\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Pollution Liability Insurance Premium		\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
Subcontract Pool (See Separate Schedules):		\$0	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Team Subcontractors (See Separate Schedules):								
CDM Inc PLOE Hours		0.0	0.0	0.0	0.0	0.0	0.0	0.0
CDM Inc Costs		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Team Sub PLOE Hours		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Team Sub Costs		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Team Sub PLOE Hours		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Team Sub Costs		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Cost		\$252,194	\$1,375,715	\$13,982	\$21,252	\$24,285	\$3,429	\$1,690,857
Handling Charge on Team Subs & Subpool	4.63%	\$0	\$6,795	\$0	\$0	\$0	\$0	\$6,795
G&A excluding Team Subs & Subpool	17.90%	\$45,143	\$220,619	\$2,503	\$3,804	\$4,347	\$614	\$277,030
Subtotal Cost & Handl Chg, G&A		\$297,337	\$1,603,129	\$16,485	\$25,056	\$28,632	\$4,043	\$1,974,682
Base Fee (Based on \$/LOE Hour)		\$8,691	\$42,968	\$768	\$806	\$870	\$108	\$54,211
Award Fee (Based on \$/LOE Hour)		\$13,003	\$64,297	\$1,149	\$1,206	\$1,302	\$161	\$81,118
Total Cost & Fee		\$319,031	\$1,710,394	\$18,402	\$27,068	\$30,804	\$4,312	\$2,110,011
Total PLOE Hours		3,395.0	16,650.0	300.0	315.0	340.0	42.0	19,942.0



## **Libby Asbestos Site Remedial Investigation Sampling**

### **IGCE Assumption Sheet Task 1 Project Planning and Support**

Assume P2 Project Manager for entire work assignment

1.1 This is a complex work assignment and difficult to scope. It requires coordination with the CDM Libby field team.

Assume: 100 P2 hours for work plan development and revision.  
20 P4 hours for review  
20 P1 hours for work plan development and revision

1.2 There are numerous database requirements to support the Libby project, with extensive coordination required with the Volpe Center and the Libby V2 database. There is also a requirement for an elastic data entry specialist on-site in Libby and in the prep lab with data entry and tracking requirements for approximately 10000 new samples.

Assume: 150 P1 hours for GIS  
50 P2 hours for GIS management  
50 P1 hours for database coordination  
50 P2 hours for database coordination  
1400 P2 hours for elastic data management (20 months x 70 hrs/month)

1.3 Simple SAP Revisions

Assume: 30 P2 hours  
10 P1 hours

1.4 Extensive planning and scoping is required, but most can occur via conference calls and eliminate the need for travel and labor hours.

Assume: 20 P2 hours for coordination and scoping of WA  
20 P1 hours for coordination and scoping of WA  
20 P4 hours for coordination and scoping of WA  
100 P2 hours for MTDEQ coordination of WA

1.5 Simple SAP preparations

Assume: 100 P1 hours for SAP development  
20 P2 hours for QA review and PM  
10 P4 hours for review

1.6 Assume 22 month work assignment duration with intense field work for 6 months,

reduced work remainder of work assignment

Assume: 480 P2 hours during field work (80 hrs/mo x 6 mo)

80 P4 hours during field work (20hrs/mo x 6 mo)

320 P2 hours during remainder (20 hrs/mo x 16 mo)

80 P4 hours during remainder

440 clerical hours (20 per month entire wa)

1.7 Assume: 25 P2 hours

#### LOE TOTALS

P1: 350

P2: 2595

P3: 0

P4 450

TRAVEL: Assume 5 trips to Libby for PM at \$1500 per trip.

## **Libby Asbestos Site Remedial Investigation Sampling**

### **IGCE Assumption Sheet Task 2 Field Investigation**

#### **Objective 1 Complete CSS**

Assume:

500 properties were not visited during CSS; require two samplers 3 hours field work and 1 hour prep/recovery time per property

$$500 \text{ properties} \times 8 \text{ P1 hours per property} = 4000 \text{ P1 hours}$$

200 properties soil sampling was not completed; require 2 samplers 2 hours field work 1 hour prep time per property

$$200 \times 6 \text{ P1 hours per property} = 1200 \text{ P1 hours}$$

200 properties outside original study area; require 2 samplers 3 hours field work and 1 hours prep time

$$200 \text{ properties} \times 8 \text{ P1 hours per property} = 1600 \text{ P1 hours}$$

#### **Objective 2 Conduct follow up RI sampling**

Assume:

500 properties require additional dust sampling; 2 samplers 2.5 hours field work and 1 hour prep/recovery

$$500 \times 7 \text{ P1 hours per property} = 3500 \text{ P1 hours}$$

200 properties require additional soil sampling; 2 samplers 1.5 hours field work and 1 hour prep/recovery

$$200 \times 5 \text{ P1 hours per property} = 1000 \text{ P1 hours}$$

100 properties require both; 2 samplers 3 hours field work and 1 hour prep/recovery

$$100 \times 8 \text{ P1 hours per property} = 800 \text{ P1 hours}$$

#### **Objective 3 Risk Assessment Sampling**

Assume 50 properties

**Assume:**

1000 P1 hours for management/scheduling  
2000 P4 hours for onsite manager  
200 P2 hours for PM

**TOTAL LOE:**

P1	13350
P2	200
P3	0
P4	2000
Cler	0

**TRAVEL:**

Assume field effort about 2/3 that of CSS (approximately \$400k for travel for CSS) =  
\$280k (70k for trips; 210k for per diem/lodging)